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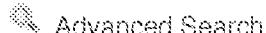
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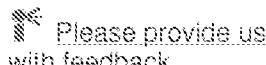
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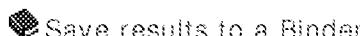
1 Dynamic sample selection for approximate query processing
Brian Babcock, Surajit Chaudhuri, Gautam Das
June 2003   **SIGMOD '03:** Proceedings of the 2003 ACM SIGMOD international confere
Publisher: ACM ◈ Request Permissions
Full text available: ⬛ Pdf (260.80 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 68, Downloads (Overall): 6⁻

In decision support applications, the ability to provide fast approximate answers to a(
One commonly-used technique for approximate query answering is sampling. For ma
appropriately constructed biased ...

2 The neglected battle fields of syntax errors
Sarah K. Kummerfield, Judy Kay
January 2003 **ACE '03: Proceedings of the fifth Australasian conference on Compu**
           Volume 20
Publisher: Australian Computer Society, Inc.
Full text available: ⬛ Pdf (382.07 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 28, Downloads (Overall): 1⁻

Syntax error correction is an essential part of the debugging process. Yet there has b
how programmers approach syntax error correction and how to help beginner progra
efficiently. This paper ...

3 Planet-Sized Batched Dynamic Adaptive Meshes (P-BDAM)
Paolo Cignoni, Fabio Ganovelli, Enrico Gobbetti, Fabio Marton, Federico Ponchio, Roberto
October 2003 **VIS '03:** Proceedings of the 14th IEEE Visualization 2003 (VIS'03)
Publisher: IEEE Computer Society
Full text available: ⬛ Pdf (739.54 KB)   Additional Information: full citation, abstract, references

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We describe an efficient technique for out-of-core management and interactive rende
terrain surfaces. The technique, called P-Batched Dynamic Adaptive Meshes (P-BDAN
by using as basic primitive ...

Keywords: Multiresolution, terrains, huge dataset

4 An online programming assessment tool
Graham H. B. Roberts, Janet L. M. Verbyla
January 2003 **ACE '03: Proceedings of the fifth Australasian conference on Compu**
           Volume 20
Publisher: Australian Computer Society, Inc.
Full text available:

Pdf (413.66 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 66, Downloads (Overall): 3!

The role of assessment in modern university curricula has become far more diverse a
years. Although its most significant role is as a measure of a student's knowledge an(
device has become increasingly ...

Keywords: Java, online assessment

5 Review of "Advances in probabilistic and other parsing technologies" by Harry B(
Academic Publishers 2000.
Chris Brew
September 2001 **Computational Linguistics** , Volume 27 Issue 3
Publisher: MIT Press
Full text available: Publisher Site , Pdf (220.72 KB) Additional Information: full citation, references

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 9, Downloads (Overall): 11(

6 Review of "Prosody: theory and experiment. Studies presented to Gösta Bruce" |
Academic Publishers 2000.
Chilin Shih, Richard Sproat
September 2001 **Computational Linguistics** , Volume 27 Issue 3
Publisher: MIT Press
Full text available: Publisher Site , Pdf (220.72 KB) Additional Information: full citation, references

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 11, Downloads (Overall): 1∠

7 Transforming policies into mechanisms with infokernel
Andrea C. Arpaci-Dusseau, Remzi H. Arpaci-Dusseau, Nathan C. Burnett, Timothy E. De
S. Gunawi, James A. Nugent, Florentina I. Popovici
December 2003 **SOSP '03:** Proceedings of the nineteenth ACM symposium on Operating
Publisher: ACM Request Permissions
Full text available: Pdf (365.12 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 31, Downloads (Overall): 4!

We describe an evolutionary path that allows operating systems to be used in a more
by higher-level services. An infokernel exposes key pieces of information about its al(
thus, its default policies ...

Keywords: information, mechanism, policy

Also published in:
December 2003 **SIGOPS Operating Systems Review** Volume 37 Issue 5

8 Top-k selection queries over relational databases: Mapping strategies and perfor
Nicolas Bruno, Surajit Chaudhuri, Luis Gravano
June 2002   **Transactions on Database Systems (TODS)** , Volume 27 Issue 2
Publisher: ACM Request Permissions
Full text available: Pdf (1.64 MB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 89, Downloads (Overall): ‹

In many applications, users specify target values for certain attributes, without requi
values in return. Instead, the result to such queries is typically a rank of the "top k" t
attribute ...

Keywords: Multidimensional histograms, top-*k* query processing

9 Interactive previewing for transfer function specification in volume rendering
Charl P. Botha, Frits H. Post
May 2002   **VISSYM '02:** Proceedings of the symposium on Data Visualisation 2002
Publisher: Eurographics Association
Full text available: Pdf (150.84 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 33,   Downloads (Overall): 2€

This paper presents a new technique for supplying meaningful visual feedback during
function specification. The technique uses meta-data calculated during a pre-processi
an approximate ...

10 Enhanced operational semantics: a tool for describing and analyzing concurrent
Pierpaolo Degano, Corrado Priami
June 2001   **Computing Surveys (CSUR)** , Volume 33 Issue 2
Publisher: ACM Request Permissions
Full text available: Pdf (355.24 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 4,   Downloads (12 Months): 98,   Downloads (Overall): 1:

This article surveys the definition and application of an enhancement of structural op
concurrent systems, and also addresses issues of distribution and mobility of code. T
labels of ...

Keywords: parametric models, process algebra

11 Review of "Lexion development for speech and language processing" by Frank \
Gibbon. Kluwer Academic Publishers 2000.
Ken Litkowski
September 2001 **Computational Linguistics** , Volume 27 Issue 3
Publisher: MIT Press
Full text available: Publisher Site , Pdf (220.72 KB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 25,   Downloads (Overall): 1€

12 Haircut: a system for multilingual text retrieval in java
Paul McNamee, James Mayfield, Christine Piatko
February 2002 **Journal of Computing Sciences in Colleges** , Volume 17 Issue 3
Publisher: Consortium for Computing Sciences in Colleges
Full text available: Pdf (59.06 KB)   Additional Information: full citation, references, index te

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 25,   Downloads (Overall): 4∠

13 A survey of techniques for energy efficient on-chip communication
Vijay Raghunathan, Mani B. Srivastava, Rajesh K. Gupta
June 2003   **DAC '03:** Proceedings of the 40th annual Design Automation Conference
Publisher: ACM Request Permissions
Full text available: Pdf (94.50 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 18,   Downloads (12 Months): 174,   Downloads (Overall):

Interconnects have been shown to be a dominant source of energy consumption in m
(SoC) designs. With a large (and growing) number of electronic systems being desigr
mind, minimizing the energy ...

Keywords: communication architectures, energy efficient design, low power design, chip design

14 Spoken dialogue technology: enabling the conversational user interface

Michael F. McTear

March 2002   **Computing Surveys (CSUR)** , Volume 34 Issue 1

Publisher: ACM Request Permissions

Full text available: Pdf (987.69 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 71, Downloads (12 Months): 573, Downloads (Overall):

Spoken dialogue systems allow users to interact with computer-based applications su systems by using natural spoken language. The origins of spoken dialogue systems c Intelligence research in the ...

Keywords: Dialogue management, human computer interaction, language generatic speech recognition, speech synthesis

15 Hypertext design environments and the hypertext design process

Jocelyne Nanard, Marc Nanard

August 1995 **Communications of the ACM** , Volume 38 Issue 8

Publisher: ACM Request Permissions

Full text available: Pdf (334.62 KB)   Additional Information: full citation, references, cited by, in

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 56, Downloads (Overall): 5ε

16 Online feedback-directed optimization of Java

Matthew Arnold, Michael Hind, Barbara G. Ryder

November 2002 **OOPSLA '02:** Proceedings of the 17th ACM SIGPLAN conference on Objε systems, languages, and applications

Publisher: ACM Request Permissions

Full text available: Pdf (463.00 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 58, Downloads (Overall): 6ˉ

This paper describes the implementation of an online feedback-directed optimization automatic; it requires no prior (offline) profiling run. It uses a previously developed lι sampling framework to ...

Keywords: adaptive optimization, dynamic optimization, online algorithms, virtual m

Also published in:
    November 2002 **SIGPLAN Notices** Volume 37 Issue 11

17 New products

Linux Journal Staff

April 2002   **Linux Journal** , Volume 2002 Issue 96

Publisher: Specialized Systems Consultants, Inc.

Full text available: Html (6.90 KB)   Additional Information: full citation, index terms

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Downloads (Overall): 45,

18 External memory algorithms and data structures: dealing with **massive data**

Jeffrey Scott Vitter

June 2001   **Computing Surveys (CSUR)** , Volume 33 Issue 2

Publisher: ACM Request Permissions

Full text available: Pdf (828.46 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 115,   Downloads (12 Months): 832,   Downloads (Overall

Data sets in large applications are often too massive to fit completely inside the comp
resulting input/output communication (or I/O) between fast internal memory and slo'
disks) can be a major performance ...

Keywords: B-tree, I/O, batched, block, disk, dynamic, extendible hashing, external
multidimensional access methods, multilevel memory, online, out-of-core, secondary

19 Stub-code performance is becoming important
Andreas Haeberlen, Jochen Liedtke, Yoonho Park, Lars Reuther, Volkmar Uhlig
October 2000 **WIESS'00: Proceedings of the 1st conference on Industrial Experie
Volume 1** , Volume 1
Publisher: USENIX Association
Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): n/a,   Downloads (12 Months): n/a,   Downloads (Overall):

As IPC mechanisms become faster, stub-code efficiency becomes a performance issu
inter-component communication. Inefficient and unnecessary complex marshalling cc
communication costs. We have developed ...

20 Review of "A computational theory of writing systems" by Richard Sproat. Cambr
Kenneth R. Beesley
September 2001 **Computational Linguistics** , Volume 27 Issue 3
Publisher: MIT Press
Full text available: Publisher Site , Pdf (220.72 KB) Additional Information: full citation, references

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 15,   Downloads (Overall): 1;